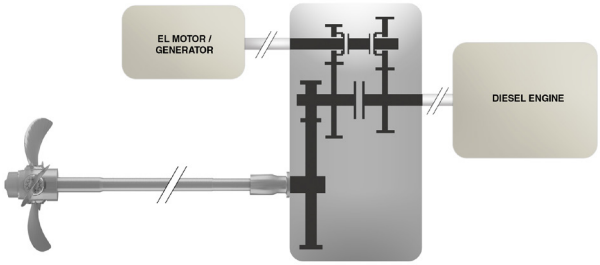
BRUNVOLL
PRECISION IS OUR PASSION

Austral Odyssey
Longliner

VESSEL INFORMATION	
Owner	Austral Fisheries Pty Ltd, Australia
Shipyard	Båtbygg AS, Norway
Year Built	2025
IMO Number	TBD
Ship Design	MT1115 L, Marin Teknikk AS, Norway
Class	BV Ice 1C
Engine	Diesel Engine
Type: Electric boost mode	Power: 1920 kW RPM: 750 Power: 500 kW RPM: 1200

BRUNVOLL SUPPLY	
Reduction Gear	ACG 680 2-speed
PTO / PTI	PS550: PTO 1000 kW / Boost: 500 kW
Propellers	CP85, 3300 mm diameter
Nozzle	19A
Thrusters	Bow: AR63 LNC 1650, 550 kW Stern: FU45 LTC 1225, 335 kW
Control System	Brunvoll Propulsion & Thruster Control



2-speed Hybrid Propulsion System

The 2-speed Reduction Gearbox provides the option for two steps of different propeller speeds in a diesel mechanical or hybrid configuration.

In step one the propeller is running at high rpm at full speed from the main engine. Step two is designed for an operation mode demanding reduced energy to the propeller running at low rpm. The available power is divided between the propeller and the PTO unit serving energy to the ships electric system for utilisation at other consumers. This propulsion system is designed for PTI/boost mode.

The 2-speed hybrid system configuration is a fuel efficient and flexible system, with high redundancy. The zero-pitch loss is reduced to a minimum, and the vessel can achieve considerable fuel saving.

The thruster system consist of one tunnel thruster aft, and a combined retractable and tunnel thruster forward.

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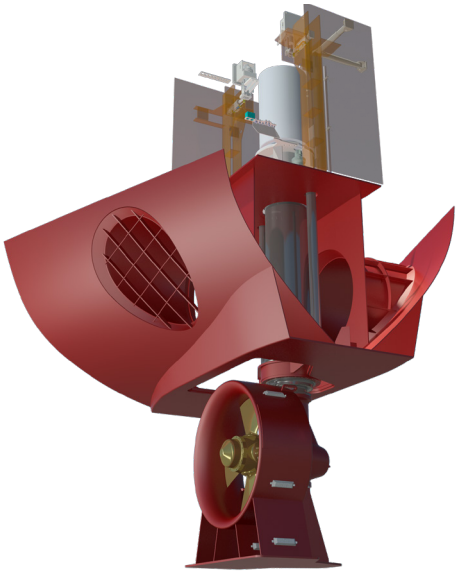
Brunvolls supply consist of propulsion, manoeuvring and control systems for efficient and sustainable operation.

The system is optimised to the operation profile of the vessel.



Brunvoll Combined Retractable Azimuth / Tunnel Thruster

The ultimate multi tool.

Excellent manoeuvre capabilities during operation in rough sea and strong wind.

The combi thruster function as a conventional tunnel thruster in upper position and as an azimuth thruster for 360˚ operation in immersed position.

The azimuth thruster is typically used for effective manoeuvring and in case of an emergency situation. Increases efficiency as peak shaving during operation in combination with main propeller. Redundancy as power take home (PTH-mode).

BruCon Propulsion and Manoeuvring Control

A modern control system platform for all propulsion and manoeuvring units and configurations. The optimum choice for the simplest to the most demanding system applications.

Standardised hardware and software components ensure common approach to user interaction, physical appearance and system architecture. Cyber security is part of the design, reducing risk while providing acessibility.

BruCon has an easy user interface. The system optimises the performance of the entire propulsion & manoeuvring operation. The modern system architecture makes it prepared for future functionalities.